

**ABSTRACT**

This invention discloses purified complete microsporidian polar tube proteins and the proteins, the amino acid sequences of which are represented in the attached sequence listings as SEQ ID No: 1, SEQ ID No: 2, SEQ ID No: 3, SEQ ID No: 4, SEQ ID No: 5.

5 The invention discloses the genes coding these proteins and their use in the fields of diagnosis.

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